

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/051973 A3

(51) International Patent Classification:

A61K 38/00 (2006.01) C12P 21/08 (2006.01)
A61K 39/395 (2006.01) G01N 33/574 (2006.01)

(21) International Application Number:

PCT/IL2004/001081

(22) International Filing Date:

24 November 2004 (24.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/524,648 25 November 2003 (25.11.2003) US

(71) Applicants (for all designated States except US): YISSUM RESEARCH AND DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM [IL/IL]; High Tech Park, Edmond J. Safra Campus, P.O. Box 39135, 91390 Givat Ram, Jerusalem (IL). BEN-GURION UNIVERSITY OF THE NEGEV RESEARCH AND DEVELOPMENT AUTHORITY [IL/IL]; P.O. Box 653, 84105 Beer-Sheva (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MANDELBOIM, Ofer [IL/IL]; 58 Hayarden Street, 73142 Shoham (IL). PORGADOR, Angel [IL/IL]; 11 Tavlan Street, 85338 Lehavim (IL).

(74) Agent: WEBB, Cynthia; Webb & Associates, P.O. Box 2189, 76121 Rehovot (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

24 August 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PEPTIDES DERIVED FROM NATURAL CYTOTOXICITY RECEPTORS AND METHODS OF USE THEREOF

(57) Abstract: The present invention relates in general to specific NCR-derived peptides capable of binding to membrane-associated biomolecules of the tumor cells, said biomolecules comprising at least one sulfated polysaccharide. Preferred peptides are about 7 to about 120 amino acids in length and are derived from NKp44, NKp30 or NKp46.

WO 2005/051973 A3